

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-416  
Relating to Certification of New Motor Vehicles

FORD MOTOR COMPANY

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 261 Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1990 model-year Ford Motor Company exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks:

Engine Family: LFM3.0T5FEC9 Displacement: 3.0 Liters (181 Inches<sup>3</sup>)  
Equipped with the following exhaust emission control systems:

Heated Oxygen Sensor  
Dual Three-way Catalyst  
Multipoint Electronic Fuel Injection  
On-Board Diagnostics (Exempted)

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the emission standards for this engine family:

<u>Loaded Vehicle Weight(lbs.)</u>	<u>Hydrocarbons (Grams per Mile)</u>	<u>Carbon Monoxide (Grams per Mile)</u>	<u>Nitrogen Oxides (Grams per Mile)</u>
0-3750	0.39	9.0	0.7

The following are the certification emission values for this engine family:

<u>Loaded Vehicle Weight(lbs.)</u>	<u>Hydrocarbons (Grams per Mile)</u>	<u>Carbon Monoxide (Grams per Mile)</u>	<u>Nitrogen Oxides (Grams per Mile)</u>
0-3750	0.15	2.6	0.2

BE IT FURTHER RESOLVED: That the listed models are certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Code of Regulations which includes recall liability for emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying to the optional NOx standard based on actual sales of 1989 model-year California-certified light-duty trucks and medium-duty vehicles (0-3750 LVW Class).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Code of Regulations, Section 2290) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Code of Regulations, Section 1965) for the aforementioned model year.

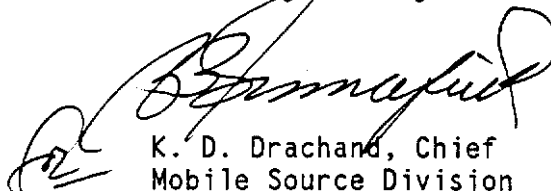
BE IT FURTHER RESOLVED: That the vehicle models listed have been granted an exemption from compliance with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions of California Health and Safety Code Section 43205.

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 24<sup>th</sup> day of July, 1989.

  
K. D. Drachard, Chief  
Mobile Source Division

## 1990 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Page 1Manufacturer Ford Motor Company Engine Family LFM3.0T5FEC9 (L3.0TEC)Passenger Cars      Light-Duty Trucks X Medium-Duty Vehicles      Gas X Diesel     Engine Type V6 Liter (CID) 3.0 (181) Evaporative Family 9HM-04Emission Control System (Use SAE Abbrev.) Dual TWC, HOS, EPFI, OBDEngine: Front X Mid      Rear      Drive: FWD      RWD X 4WD-FT      4WD-PT     

Engine Code	Vehicle Models (If Coded see below)	Trans. Type	Equiv. Test Weight	Ign. System (ECU/PROM)	EGR Valve	Catalyst
0-3750# LVW	(Dyno Hp)	A-Auto M-Manual		Part No. -12A650-	Part No.	Part No. -5F250-
955JR11A/N	Aerostar 4x2 RV SWB (10.6) (11.7*)	M5	3500 3625*	E9TF-LC		E89A-CA/ E99A-UA/ E99A-UB
	EV SWB (10.6) (11.7*)		3625 3750*			

Model Codes: RV - Regular Van  
EV - Extended Van

\* with air conditioning

ENGINE FAMILY: L3.0TEC

20.09.17.02-1

ISSUED: 6-30-89

REVISED:

## 1990 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Page 2Manufacturer Ford Motor Company Engine Family LFM3.0T5FEC9 (L3.0TEC)Passenger Cars ☐ Light-Duty Trucks ☒ Medium-Duty Vehicles ☐ Gas ☒ Diesel ☐Engine Type V6 Liter (CID) 3.0 (181) Evaporative Family 9HM-04Emission Control System (Use SAE Abbrv.) Dual TWC, HOS, EPFI, OBDEngine: Front ☒ Mid ☐ Rear ☐ Drive: FWD ☐ RWD ☒ 4WD-FT ☐ 4WD-PT ☐

Engine Code	Vehicle Models (If Coded see below)	Trans. Type	Equiv. Test Weight	Ign. System (ECU/PROM)	EGR Valve	Catalyst
0-3750# LVW	(Dyno Hp)	A-Auto M-Manual		Part No. -12A650-	Part No.	Part No. -5F250-
956JR11A/N	Aerostar 4x2 RV SWB (10.6) (11.7*)  EV SWB (10.6)	A4	3625	E9TF-MC		E89A-CA/ E99A-UA/ E99A-UB

Model Codes: RV - Regular Van  
EV - Extended Van

\* with air conditioning

ENGINE FAMILY: L3.0TEC

20.09.17.02-2

ISSUED: 6-30-89

REVISED: